

## Especie: Raigrás

### Variety: INIA Titán

- **Tetraploid, multiflorum type**
- **Long cycle, flowers around October 23**
- **Intermediate to semi-erect growth habit**
- **Very good forage yields**

INIA Titán (Lolium multiflorum) was developed at La Estanzuela through selection from the cultivar Estanzuela Matador and other European cultivars. It was the first long-cycle tetraploid ryegrass to be widely used in Uruguay. This cultivar has shown excellent performance in both Uruguay and Argentina and has earned a strong reputation among producers.

It is a multiflorum type, with an intermediate to semi-erect growth habit, long cycle, and flowers 25 days later than the Estanzuela 284 cultivar. It has high cold requirements and does not flower if sown in August.

It has very good growth potential and produces on average 25% more forage than Estanzuela 284 in total annual yield, mainly due to its longer cycle and outstanding spring productivity.



	2017	2018	2019	2020	Promedio
<b>INIA Titán</b>	136	133	117	122	127
<b>LE 284</b>	100	100	100	100	100
<b>100= KgMS/há</b>	<b>8634</b>	<b>7287</b>	<b>9355</b>	<b>10055</b>	<b>8833</b>

**Table 1: Forage production of INIA Titán relative to Estanzuela 284.**

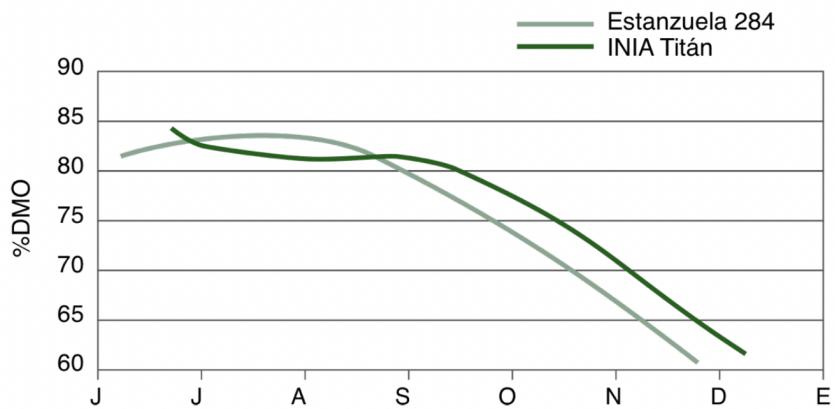
Source: National Cultivar Evaluation Trials INIA-INASE, 2017–2020.

	Otoño	Invierno	Primavera
<b>INIA Titán</b>	96	104	196
<b>LE 284</b>	100	100	100
<b>100= KgMS/há</b>	<b>1930</b>	<b>4080</b>	<b>3264</b>

**Table 2: Seasonal forage production of INIA Titán relative to Estanzuela 284.**

Source: National Cultivar Evaluation Trials INIA-INASE, 2017–2020.

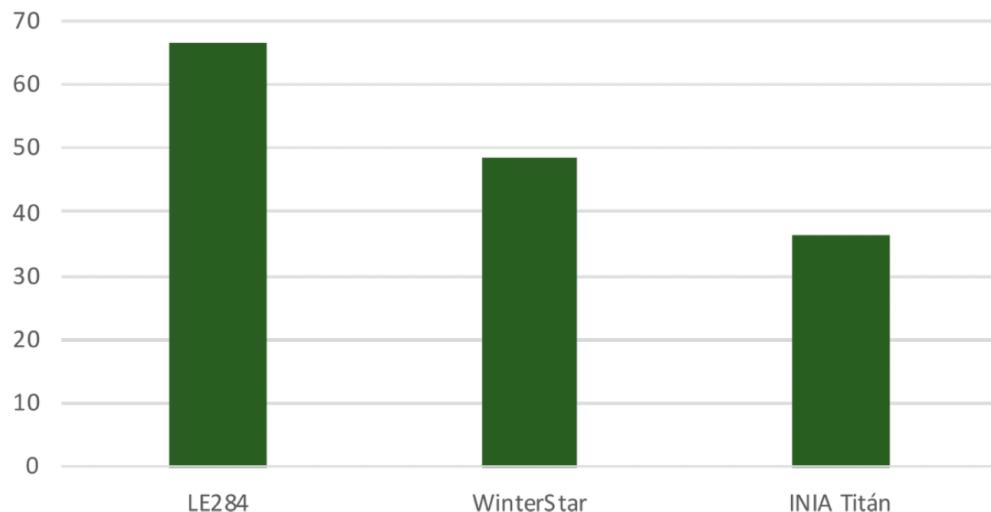
INIA Titán has very good forage quality; from late August onwards, its digestibility (DMO) is on average five units higher than that of Estanzuela 284.



**Figure 1: Digestibility.**

Source: J. García, INIA, Technical Series 133, 2003.

Due to its semi-erect growth habit, INIA Titán is highly compatible with legumes such as berseem clover, red clover, and white clover.



**Figure 2: Susceptibility to Rust.**

Source: FORAGE trials, INIA 2017–2020.

## **Establishment and Management**

It is recommended to sow from early March using seeding rates of 18–25 kg/ha for pure stands or 10–15 kg/ha in mixtures with legumes. When sown in winter (August), it does not flower and remains vegetative during summer.

Its production potential is maximized under rotational grazing when the pasture reaches about 18–20 cm. It responds very well to nitrogen fertilization.

## **Recommended Use**

It is ideal for long-cycle winter annual pastures as well as for short-rotation pastures in mixtures with legumes. This cultivar is especially suitable for use in soils with good potential, systems with good management conditions, and operations with high nutritional value requirements, such as dairy farms and intensive fattening operations.



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